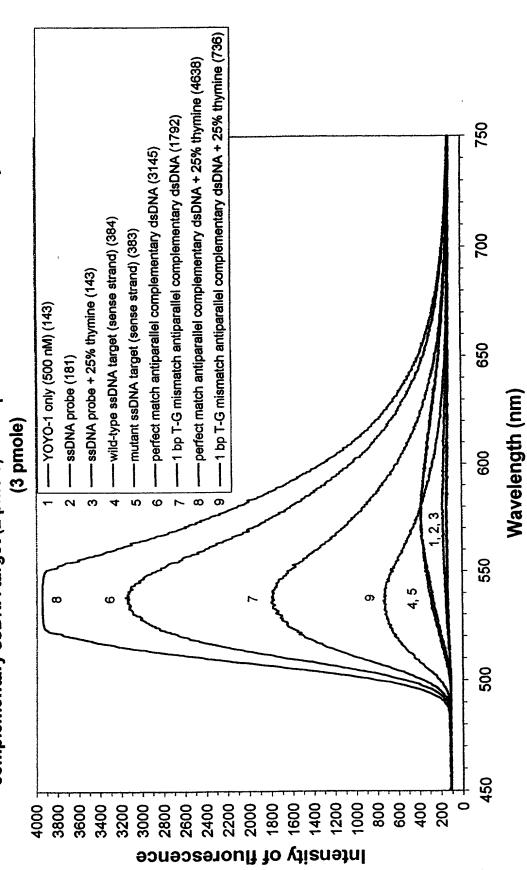
Applicant(s): Glen H. ERIKSON et al.
Filed: February 22, 2002 Customer No. 03000
For: NUCLEIC ACID BINDING

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complementary ssDNA target (2 pmole) in the presence of YOYO-1 and thymine FIG. 1A. Binding of 15-mer ssDNA probe (2 pmole) and 50-mer antiparallel



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--- 1 bp A-G mismatch parallel homologous dsDNA + 25% thymine (1799) perfect match parallel homologous dsDNA + 25% thymine (4782) 750 -1 bp A-G mismatch parallel homologous dsDNA (1513) homologous ssDNA target (2 pmole) in the presence of YOYO-1 and thymine (3 perfect match parallel homologous dsDNA (2717) -wild-type ssDNA target (antisense strand) (347) FIG. 1B. Binding of 15-mer ssDNA probe (2 pmole) and 50-mer parallel mutant ssDNA target (antisense strand) (344) 700 ssDNA probe + 25% thymine (143) -YOYO-1 only (500 nM) (143) ssDNA probe (181) 650 Wavelength (nm) pmole) 009 ဖ 550 500 450 3600 3400 3200 2800 2600 2400 2200 1800 800 600 400 1600 1400 1200 1000 3800 Intensity of fluorescence